SnapSAN™ S2000

Intelligent iSCSI SAN Optimized for Virtual Server Environments

Besides its people, a company's data is one of its most critical assets. Keeping that data stored, accessible and secure has become complex and expensive as companies are faced with massive data growth, increasingly stringent regulatory requirements and distributed environments that can range from across-the-hall to across-the-globe. Overland Storage® recognizes the need for businesses to do more—with less and offers effortless data management and protection solutions. The SnapSAN™ S2000 is an iSCSI SAN appliance designed for businesses with growing storage needs and limited resources to manage their end-to-end storage strategies.

Simple

The full-featured S2000 offers many standard enterprise capabilities, such as auto-provisioning, mirroring for high-availability and active-active failover, as well as, replication and snapshots for data protection. The plug-and-play architecture, combined with the simple management console and Windows-based wizard driven user interface, greatly simplifies installation and routine maintenance.

Smart

The SAN Manager software can monitor and manage multiple S2000 storage systems—locally or remotely—using a local windows application or via web browser in heterogeneous environments. The GUI accesses storage event logs and immediately displays any faults. Email Notifications or text events can be sent to system administrators—or even to a remote management organization.

Automated

Included in the S2000 is the auto-provisioning breakthrough capability, allowing the S2000 to proactively meet growing capacity demands by automatically increasing capacity on the host as needed – without user involvement. The expansion is non-disruptive and works flawlessly without the need for pre-allocating or estimation of unknown storage needs.

Integrated

The S2000 plugin for the VMware vCenter Server application provides deep integration with VMware ESX platforms, resulting in unrivalled and outstanding support for datacenter virtualization technologies. This enables Overland customers to stretch their investments even further by realizing unparalleled efficiencies in server and storage resource utilization.

Reliable

Business Continuity plans will keep your organization up and running. A key to this success is a feature-rich solution that provides both mirroring and replication option. With the SnapSAN S2000 you don't have to make the choice between the features you need and the price you can afford. The S2000 also integrates directly into VMware vCenter Server making it one of the easiest management tools on the market. By deploying the SnapSAN mirroring and replication features, you've taken the first step toward your Business Continuity initiatives

Highlights

- Integrates seamlessly into Windows, Hyper-V, VMware, Linux, UNIX and Mac OS X environments
- Customized SnapSAN plug-in for direct integration and management within VMware
- Mirroring option for VMware and Windows Servers + Replication option for Microsoft environments
- Automatically extends storage volumes making capacity instantly available to the organization
- Scales to 192TB with the addition of SnapServer E2000 Expansion Chassis
- VSS provider enabling application consistent snapshots and integration with leading third-party backup products
- Multi-pathing using Windows Multi-Path I/O (MPIO) framework

Specifications

Initiator OS Support	Windows XP, Windows Vista, Windows 7, Windows Server 2003, Windows Server 2003 R2, Windows Server 2008, Windows Server 2008 R2. Support for VMware ESX 3.5, Update 5 and ESX 4.0, Update 1 Linux: Red Hat Enterprise Linux 4 and 5, SuSE Linux Enterprise 10, Mac OS X 10.5 and 10.6 using ATTO ISCSI initiator, Solaris 10 (Sparc and X86), Novell NetWare 6.5 SP7
Storage Licenses Included	512 Host Connections
Management	Wizard-based Installation, Volume Usage Statistics, Event Log, Email Notification, Administrator Authentication, Remote Management, Multi-Server Monitoring and Visualization with SnapServer Manager
Data Storage - iSCSI SAN	Compliant with iSCSI standard, RFC 3720, Authentication: One-way CHAP / Mutual CHAP, iSNS Server Support, 256 Targets per Appliance, 512 Simultaneous Sessions, Supports SCSI Persistent Reservations
RAID Levels **Data Protection**	RAID Levels 0, 1, 5, 6, 10, 50 & 60 256 Snapshots per Appliance, OS agnostic replication support for Windows, Mac OS X, Linux, UNIX, VMware,
Snapshot & Replication	VSS Provider for Windows
High Availability - Mirroring	Active/Active Failover, Support for Mirroring on Windows Server (2003 R2, 2008 & 2008 R2) and VMware ESX (3.5 & 4.0)
CPU & Memory	Intel Xeon E5504 Quad-Core Nehalem CPU, 2GB DDR3 1333MHz Registered DIMMs
Windows Support	One-step Provisioning, Integrated Auto Provisioning, VDS and VSS Providers, MPIO Support, Microsoft Cluster Server Support, Microsoft Hyper-V Support
VMware Support	Overland S2000 SAN plugin for VMware vCenter Server application allows you to manage S2000 from the vCenter client application, Enhances use of VMware HA, VMotion and DRS, Continuous access to your Datastores
Drive Configuration	12 x 1TB 7200 RPM SATA II Drives (12TB raw capacity), or 12 x 2TB 7200 RPM SATA II Drives (24TB), or 12 x 600GB 15000 RPM SAS Drives (7.2TB)
Network Interface	2 Gigabit Ethernet Ports included, Dual Port Gigabit Ethernet Card - PCIe (option available), Quad Port Gigabit Ethernet Card - PCIe (option available)
Expansion Array Interface	Includes external Serial Attached SCSI (SAS) port for expansion, Supports up to 7 SnapServer EXP E2000 units
Physical/Mounting	Width: 17.2" (437mm), Height: 3.5" (89 mm) 2U, Depth: 25.5" (648 mm), Weight: 55 lbs , 19" rack mount slide rails included Minimum rack depth 32" (812.8mm)
Agency Approvals	CE, cULus, FCC Class A, CE, VCCI
Power	800W auto ranging, hot swappable modules (1+1 Redundant), 100-240VAC, 50-60Hz, 10 - 4 Amp\
Power Consumption	Idle: 255W / 2.27Amps; Peak: 263W / 2.32Amps
Environmental Limits	Operating Temperature Range: 10° C to 35°C (50° to 95° F), Operating Humidity Range: 8% - 90% non-condensing Operating Altitude: -200 ft. to 10,000 ft. (0m to 3,048m)
Included with Unit	2 x Cat5 Ethernet cables, Custom 19" rack-mount slide rails, Power Cords for US, UK & EU
Standard Warranty	The SnapSAN S2000 is covered by a three-year limited hardware warranty including return to factory hardware support and by a two year software warranty including operating system updates and telephone support. S2000 systems are eligible for enhanced Overland CARE maintenance options to augment the standard limited warranty. Specially priced multi-year Overland CARE support upgrades are available to protect your investment for the life of the product. Support coverage of all Snap Expansion units must be purchased separately and run concurrently with the primary Unit. For more information about Overland Storage services, please contact your reseller. Call Overland Storage at 1-800-442-7274 or visit us online at: http://support.overlandstorage.com/ for full details of all of our service programs.

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